

09/486264

430 Rec'd PCT/PTO 25 FEB 2000

ABSTRACT OF THE DISCLOSURE

The ends of carbon plates reinforcing supporting elements, such as concrete beams, are divided into at least two splines having approximately the same thickness and are glued in the appropriate retaining slots of a terminal element. The splines form an angle in relation to each other. This assembly is then glued to the traction side of the supporting element, whereby the carbon plates are directly prestressed by the terminal elements in relation to the supporting element. The terminal element can be inserted into an appropriate groove in the supporting element or glued directly on the surface of the supporting element and/or doweled, optionally by using a transverse tensioning device.